Neches-Trinity Coastal Basin Freshwater Stream Total size: 33 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location size samples exceedances | Mean **Aquatic Life Use** 2002 Dissolved Oxygen grab average Use Concern Lower 8 miles of segment 8 15 2 2002 Dissolved Oxygen grab average 5 Use Concern Portion 7 mi downstream of the confluence of N and 7 25 S Forks Taylor Bayou 2002 Dissolved Oxygen grab minimum **Fully Supporting** 8 1 Lower 8 miles of segment 15 2002 Dissolved Oxygen grab minimum Fully Supporting Portion 7 mi downstream of the confluence of N and 7 25 1 S Forks Taylor Bayou 2002 Dissolved Oxygen 24hr average Use Concern-Limited Lower 8 miles of segment 8 4 1 Data 2002 2 Dissolved Oxygen 24hr average Use Concern-Limited Portion 7 mi downstream of the confluence of N and 7 9 Data S Forks Taylor Bayou Dissolved Oxygen 24hr minimum 2002 Use Concern-Limited 8 4 1 Lower 8 miles of segment Data 2002 Dissolved Oxygen 24hr minimum Use Concern-Limited Portion 7 mi downstream of the confluence of N and 7 9 2 Data S Forks Taylor Bayou 2002 Acute Metals in water 0 No Concern-Limited Portion 7 mi downstream of the confluence of N and 7 4 Data S Forks Taylor Bayou 2002 Chronic Metals in water No Concern-Limited Portion 7 mi downstream of the confluence of N and 7 4 Data S Forks Taylor Bayou 2002 Habitat Fully Supporting 0 8 1 16 Lower 8 miles of segment 2002 Fish Community 2 0 40 Fully Supporting Lower 8 miles of segment 8 2002 Overall Aquatic Life Use **Fully Supporting** 8 Lower 8 miles of segment 2002 Overall Aquatic Life Use Fully Supporting Portion 7 mi downstream of the confluence of N and 7 S Forks Taylor Bayou 2002 Overall Aquatic Life Use Not Assessed Upper 18 miles of segment 18

Freshwater Stream Neches-Trinity Coastal Basin Total size: 33 Miles Status of Use # of Assessment Location # of Year Assessment Method **Support or Concern** Location exceedances Mean size samples **Contact Recreation Use** 2002 E. coli single sample Not Assessed Lower 8 miles of segment 8 0 2002 E. coli single sample Not Assessed Portion 7 mi downstream of the confluence of N and 7 0 S Forks Taylor Bayou 2002 E. coli geometric mean Not Assessed Lower 8 miles of segment 8 0 2002 E. coli geometric mean Not Assessed Portion 7 mi downstream of the confluence of N and 7 0 S Forks Taylor Bayou 2002 Fecal coliform single sample **Fully Supporting** 0 Lower 8 miles of segment 8 14 2002 Fecal coliform single sample 7 25 4 Fully Supporting Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou 2002 22 Fecal coliform geometric mean **Fully Supporting** Lower 8 miles of segment 8 14 2002 Fecal coliform geometric mean 34 Portion 7 mi downstream of the confluence of N and 7 Fully Supporting 25 S Forks Taylor Bayou 2002 Overall Recreation Use Fully Supporting Lower 8 miles of segment 8 2002 Overall Recreation Use Portion 7 mi downstream of the confluence of N and 7 Fully Supporting S Forks Taylor Bayou 2002 Overall Recreation Use Not Assessed Upper 18 miles of segment 18 **General Use** 2002 Water Temperature **Fully Supporting** Lower 8 miles of segment 0 8 15 2002 Water Temperature Portion 7 mi downstream of the confluence of N and 7 25 0 Fully Supporting S Forks Taylor Bayou 2002 pН **Fully Supporting** 0 Lower 8 miles of segment 8 15 2002 0 рН **Fully Supporting** Portion 7 mi downstream of the confluence of N and 7 25 S Forks Taylor Bayou 2002 Chloride **Fully Supporting** 8 135.2 Lower 8 miles of segment 37

Freshwater Stream Neches-Trinity Coastal Basin Total size: 33 Miles Status of Use # of Assessment Location # of Year Assessment Method **Support or Concern** Location exceedances Mean size samples **General Use** (continued) 2002 Chloride **Fully Supporting** Portion 7 mi downstream of the confluence of N and 135.2 7 37 S Forks Taylor Bayou 2002 Chloride Fully Supporting Upper 18 miles of segment 18 37 135.2 2002 Sulfate **Fully Supporting** Lower 8 miles of segment 8 14 66 2002 Sulfate 7 Fully Supporting Portion 7 mi downstream of the confluence of N and 14 66 S Forks Taylor Bayou 2002 Sulfate Fully Supporting Upper 18 miles of segment 18 14 66 2002 Total Dissolved Solids **Fully Supporting** Lower 8 miles of segment 382.86 8 40 2002 382.86 **Total Dissolved Solids** Portion 7 mi downstream of the confluence of N and 7 Fully Supporting 40 S Forks Taylor Bayou 2002 382.86 Total Dissolved Solids Fully Supporting Upper 18 miles of segment 18 40 2002 Overall General Use Fully Supporting Lower 8 miles of segment 8 2002 Overall General Use Portion 7 mi downstream of the confluence of N and 7 Fully Supporting S Forks Taylor Bayou 2002 Overall General Use Upper 18 miles of segment **Fully Supporting** 18 **Fish Consumption Use** 2002 Human Health Criteria Metals No Concern-Limited Portion 7 mi downstream of the confluence of N and 7 4 S Forks Taylor Bayou Data 2002 Overall Fish Consumption Use Not Assessed 8 Lower 8 miles of segment 2002 Overall Fish Consumption Use Not Assessed Portion 7 mi downstream of the confluence of N and 7 S Forks Taylor Bayou 2002 Overall Fish Consumption Use Upper 18 miles of segment 18 Not Assessed **Overall Use Support** 2002 **Fully Supporting** Lower 8 miles of segment 8

Freshwater Stream		Neches-Trinity Coastal Basin Total size:		33 Miles			
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Use S	upport (continued)						
2002		Fully Supporting	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7			
2002		Fully Supporting	Upper 18 miles of segment	18			
Nutrient Enric	chment Concern						•
2002	Ammonia Nitrogen	No Concern	Lower 8 miles of segment	8	14	2	
2002	Ammonia Nitrogen	No Concern	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7	25	3	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 8 miles of segment	8	14	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7	25	0	
2002	Orthophosphorus	No Concern	Lower 8 miles of segment	8	14	0	
2002	Orthophosphorus	Not Assessed	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7	7	0	
2002	Total Phosphorus	No Concern	Lower 8 miles of segment	8	14	0	
2002	Total Phosphorus	Not Assessed	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7	7	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 8 miles of segment	8			
2002	Overall Nutrient Enrichment Concerns	No Concern	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper 18 miles of segment	18			
Algal Growth	Concern						
2002	Chlorophyll a	Concern	Lower 8 miles of segment	8	14	5	
2002	Chlorophyll a	Not Assessed	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7	0		

Freshwater Stream		Neches-Trinity Coastal Basin Total size:		33 Miles			
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Algal Growth	Concern (continued)						
2002	Chlorophyll a	Not Assessed	Upper 18 miles of segment	18			
Sediment Con	taminants Concern						
2002	Metals in sediment	Not Assessed	Lower 8 miles of segment	8	4		
2002	Metals in sediment	Not Assessed	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7	4		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 8 miles of segment	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 18 miles of segment	18			
Fish Tissue Co	ontaminants Concern						
2002	Metals in fish tissue	Not Assessed	Lower 8 miles of segment	8	2		
2002	Metals in fish tissue	Not Assessed	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7	2		
2002	Organics in fish tissue	Not Assessed	Lower 8 miles of segment	8	2		
2002	Organics in fish tissue	Not Assessed	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7	2		
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 8 miles of segment	8			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Portion 7 mi downstream of the confluence of N and S Forks Taylor Bayou	7			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 18 miles of segment	18			

2002

18

Segment ID: 0701 **Water body name:** Taylor Bayou Above Tidal

No Concern

Neches-Trinity Coastal Basin Total size: Freshwater Stream 33 Miles Status of Use # of # of Assessment Location exceedances Mean Year **Assessment Method Support or Concern** Location samples size **Narrative Criteria Concern** 2002 Overall Narrative Criteria Concerns No Concern Lower 8 miles of segment 8 2002 Overall Narrative Criteria Concerns No Concern Portion 7 mi downstream of the confluence of N and 7 S Forks Taylor Bayou Overall Narrative Criteria Concerns | No Concern 2002 Upper 18 miles of segment 18 **Overall Secondary Concern** 2002 No Concern Lower 8 miles of segment 8 2002 Portion 7 mi downstream of the confluence of N and No Concern 7 S Forks Taylor Bayou

Upper 18 miles of segment